ENGINEERING CHANGE PROPOSAL (SHORT FORM)

(See MIL-STD-481 for instructions)

DATE *(YYYYMMDD)* 20060420 | *Form Approved OMB No. 0704-0188*

PROCURING ACTIVITY NUMBER **N/A**

1. ORIGINATOR NAME AND ADDRESS
Bobbi J. Parrish
PEOSTRI
12350 Research Parkway
Orlando, FL 32826-3276

2. CONTRACT NUMBER AND LINE ITEM

3. PROCURING CONTRACTING OFFICER

CODE | TEL

4. TITLE OF CHANGE
TO FIX TABLES IN APPENDIX F "PID NO. FOR MILES CODE 35" TO INCORPORATE ECPS 2005001, 2005002 AND-2005003

5. ECP NUMBER	REV	AMEND	6. CAGE CODE	7. CLASS OF ECP	8. JUST.CODE	9.PRIORITY
MCC 2005004	3					

10. SPECIFICATIONS AFFECTED

CAGE CODE	SPECIFICATION / DOCUMENT NO.	REV
	PMT 90-S002	J

11. DRAWINGS AFFECTED

CAGE CODE	NUMBER	REV

12. CONFIGURATION ITEM NOMENCLATURE / TYPE DESIGNATION / WEAPON SYSTEM CODE
N/A

13. IN PRODUCTION
☐ **YES** ☐ **NO**

14. LOWEST ASSEMBLY AFFECTED

NOMENCLATURE	PART NO.	NSN
N/A		

15. DESCRIPTION OF CHANGE (Attach a document showing [a] existing document paragraph, figure, or table and [b] modified document paragraph, figure, or table with the change incorporated).
Fix Appendix F to reflect all ECPs from 20005001, 20005002, 20005003 and 20005004 Revisions – to Revision 2. These are attached for reference.

16. NEED FOR CHANGE
To make the table easier to read, understand and to use in the future.

17. EFFECT ON ASSOCIATED EQUIPMENT
No effect .

18. PRODUCTION EFFECTIVITY BY SERIAL NUMBER

19. EFFECT ON PRODUCTION DELIVERY SCHEDULE

20.RECOMMENDED RETROFIT EFFECTIVITY

21. ESTIMATED KIT DELIVERY SCHEDULE

22. ESTIMATED COST/SAVINGS

23. SUBMITTING ACTIVITY AUTHORIZING SIGNATURE
Bobbi Parrish 8/21/2006

23.a. TITLE
Engineer PEOSTRI WITS program

24. APPROVAL/DISAPPROVAL a. RECOMMENDED [X] APPROVAL [ ] DISAPPROVAL

b. APPROVAL	c. GOVERNMENT ACTIVITY	SIGNATURE	DATE *(YYYYMMDD)*
☐ APPROVED ☐ DISAPPROVED	PEOSTRI 12350 Research Parkway Orlando, FL 32826-3276	Christopher Oliver, COL PM LTS	
d. APPROVAL	e. GOVERNMENT ACTIVITY	SIGNATURE	DATE *(YYYYMMDD)*
☐ APPROVED ☐ DISAPPROVED			

DD FORM 1693, AUG 96 (EG) PREVIOUS EDITION MAY BE USED. Designed using Microsoft Word, Dec 99

15a. Existing document paragraph, figure, or table.

TABLE F2: PID NO. FOR MILES CODE 35 FOR AMMO TYPES A AND E

PID	Functions
162	SMAW spotting rifle
1 to 300	SAT Random No. ID, or SAT Checksum data (1-256 only)
301	SAT 'Weapon Code Setup' acknowledge
302	SAT 'On' acknowledge
303	SAT 'Off' acknowledge
304	SAT (spare 1)
305	SAT (spare 2)
306	Surrogate ID request
307	Surrogate AT4 fire
308	Surrogate SMAW fire Anti-Armor
309	Surrogate SMAW fire Bunker Buster
310	Surrogate SMAW fire spotting rifle
311	Surrogate (spare 1)
312	Surrogate (spare 2)
313	Turret Position Sensor Signal
314	Turret Position Sensor battery low
315	Enable Controller mode.
316	Disable Controller mode.
317-330	CIDDS Special Functions
331	Test
661	Time Mark
1000-1011	Month*
1012-1042	Date*
1043-1049	Day of week (Sunday, Monday, etc.)*
1050-1073	Hours after midnight (1050 = midnight)*
1074-1133	Minutes (1074 = 0 minutes)*
1134-1193	Seconds (1134 = 0 seconds)*
1194	Time sync message complete*
2001	Change even PID to odd by subtracting 1 from PID.
2002	Change odd PID to even by adding 1 to PID.
2003	Send domain of vest neuron chip to Controller Device. Used during Controller Device pairing. (Message ID 0x09)(Sub Message ID 0x30)
2004	Extend run-time of vest to 24 hours, beep buzzer once for 100ms
2005	Power off vest and all paired units, beep buzzer once for 100ms. Send power off message (Message ID 0x1B) to other devices.
2006	Report vest real time clock value (Message ID 0x74) to Controller Device.
2007	Clear vest events and rounds related counters, beep buzzer once for 100ms
2049	Change belt number to 1. (Front)
2050	Change belt number to 2. (Right)
2051	Change belt number to 3. (Rear)
2052	Change belt number to 4. (Left)
2053	Change belt number to 5. (Front-Right)
2054	Change belt number to 6. (Rear-Right)
2055	Change belt number to 7. (Rear-Left)
2056	Change belt number to 8. (Front-Left)
2057	Detector Initialization

TABLE F3: PID NO. FOR MILES CODE 35 FOR AMMO TYPES B AND F

PID	Functions
001	Enable Controller mode.

15b. Modified document paragraph, figure, or table with the change incorporated.

TABLE F2: PID NO. FOR MILES CODE 35 FOR AMMO TYPES A AND E

PID	YZ.SPID	Functions	MILES XXI	IWS	ITS	TWGSS /PGS	MILES 2000
162	00.162	SMAW spotting rifle		X			X
1 to 300	00.001 to 00.300	SAT Random No. ID, or SAT Checksum data (1-256 only)		X			X
301	00.301	SAT 'Weapon Code Setup' acknowledge		X			X
302	00.302	SAT 'On' acknowledge		X			X
303	00.303	SAT 'Off' acknowledge		X			X
304	00.304	SAT (spare 1)					X
305	00.305	SAT (spare 2)					X
306	00.306	Surrogate ID request		X			X
307	00.307	Surrogate AT4 fire		X			X
308	00.308	Surrogate SMAW fire Anti-Armor		X			X
309	00.309	Surrogate SMAW fire Bunker Buster		X			X
310	00.310	Surrogate SMAW fire spotting rifle		X			X
311	00.311	Missile Off Acknowledgement (used when Man may have both standard weapon and Missile enabled simultaneously)					1
312	00.312	Surrogate (spare 2)					X
313	00.313	Turret Position Sensor Signal	X				X
314	00.314	Turret Position Sensor battery low	X				X
315	00.315	Enable Controller mode. (Takes the device into controller mode.)		X	X		X
316	00.316	Disable Controller mode. (Takes the device out of controller mode.)		X	X		X
317	00.317	NBC Mask On (Indicates Mask is on and breathing is taking place)		X			2
318	00.318	NBC Mask Low Batt		X			2
319	00.319	Room Start (Indicates to decoder that a room illuminator sequence follows. If all 3 room codes are decoded within a 400ms time period, then a room number is determined).					3
320-330	00.320 to 00.330	CIDDS Special Functions					
331	10.001	Test		X		X	
332	10.002	Body Armor On		X			
333	10.003	Body Armor Off		X			
334	10.004	Audio Mode – Tone		X			
335	10.005	Audio Mode – Verbal/Sound effects		X			
660	10.330	Link MILES System Equipment together (such as detectors, display units, power modules, etc.)			X		
661	20.001	Time Mark			X	X	
662	20.002	Helmet BIT Fail		X			

663	20.003	Helmet Battery Low		X			
664	20.004	Helmet Battery Medium		X			
665	20.005	Helmet Battery High		X			
666	20.006	Helmet Test In Progress		X			
1000-1011	30.010 to 30.021	Month[5]	X	X	X		X
1012-1042	30.022 to 30.052	Date[5]	X	X	X		X
1043-1049	30.053 to 30.059	Day of week (Sunday, Monday, etc.)[5]	X	X	X		X
1050-1073	30.060 to 30.083	Hours after midnight (1050 = midnight)[5]	X	X	X		X
1074-1133	30.084 to 30.143	Minutes (1074 = 0 minutes)[5]	X	X	X		X
1134-1193	30.144 to 30.203	Seconds (1134 = 0 seconds)[5]	X	X	X		X
1194	30.204	Time sync message complete*	X	X	X		X
1195	30.205	Disassociate Manworn (Disassociate Manworn from an associated vehicle when linked wirelessly)					4
1196	30.206	Toggle Baud Rate 1 (Changes baud rate of optical port between 9600 and 19200. Toggle Baud Rate 2 must be received within 3 sec after receiving Toggle Baud Rate 1.)					4
1197	30.207	Toggle Baud Rate 2 (Changes baud rate of optical port between 9600 and 19200.)					4
1198	30.208	Toggle Language (Toggles language of system between English and another language).					4
1200-1299	30.210 to 30.309	Room Low Digits (The 2 least significant digits of a room number (0-99).					3
1300-1320	30.310 to 30.330	Room High Digits The 2 most significant digits of a room number Room Number = (Room High Digits*100)+Room Low Digits. (See ammos B/F for additional PIDs)					3
1651-1905	05.001 to 05.255	SAT to Manworn RF association random number range		X			
2001	06.021	Change even PID to odd by subtracting 1 from PID.	X	X			
2002	06.022	Change odd PID to even by adding 1 to PID.	X	X			
2003	06.023	Send domain of vest neuron chip to Controller Device. Used during Controller Device pairing. (Message ID 0x09)(Sub Message ID 0x30)	X				
2004	06.024	Extend run-time of vest to 24 hours, beep buzzer once for 100ms	X				
2005	06.025	Power off vest and all paired units, beep buzzer once for 100ms. Send power off message (Message ID 0x1B) to other devices.	X				
2006	06.026	Report vest real time clock value (Message ID 0x74) to Controller Device.	X				
2007	06.027	Clear vest events and rounds related counters, beep buzzer once for 100ms	X	X			
2008	06.028	Fire-Power Kill	X				
2009	06.029	Mobility Kill	X				

2010	**06.030**	**Communications Kill**	**X**				
2011	**06.031**	**Hit**	**X**	**X**			
2012	**06.032**	**Set RS-232 port to LAN Mode at 19.2 Kbaud**	**X**				
2013	**06.033**	**Set RS-232 port to DCI Mode at 9.6 Kbaud**	**X**				
2014	**06.034**	**Set Wpn 1 (Main Gun) to Dry Fire mode**	**X**				
2015	**06.035**	**Set Wpn 1 (Main Gun) to Blank Fire mode**	**X**				
2016	**06.036**	**Set Wpn 2 (Coax) to Dry Fire mode**	**X**				
2017	**06.037**	**Set Wpn 2 (Coax) to Blank Fire mode**	**X**				
2018	**06.038**	**Set Wpn 3 to (TOW) Dry Fire mode**	**X**				
2019	**06.039**	**Set Wpn 3 to (TOW) Blank Fire mode**	**X**				
2020	**06.040**	**Set Wpn 4 to (SAT) Dry Fire mode**	**X**				
2021	**06.041**	**Set Wpn 4 to (SAT) Blank Fire mode**	**X**				
2022	**06.042**	**Set Wpn 5 to (WPN2) Dry Fire mode**	**X**				
2023	**06.043**	**Set Wpn 5 to (WPN2) Blank Fire mode**	**X**				
2049	**06.069**	**Change belt number to 1. (Front)**	**X**				
2050	**06.070**	**Change belt number to 2. (Right or Stryker Right Front)**	**X**				
2051	**06.071**	**Change belt number to 3. (Rear or Stryker Right Rear)**	**X**				
2052	**06.072**	**Change belt number to 4. (Left or Stryker Rear)**	**X**				
2053	**06.073**	**Change belt number to 5. (Stryker Left Rear)**	**X**				
2054	**06.074**	**Change belt number to 6. (Stryker Left Front)**	**X**				
2055	**06.075**	**Change belt number to 7. ~~(Rear Left)~~**	**X**				
2056	**06.076**	**Change belt number to 8. ~~(Front Left)~~**	**X**				

Notes:
1. Croatia
2. AWES
3. ATREP
4. ACVM
5. Note: The laser time sync message consists of one PID each of Year (optional), Month, Date, Day of week, Hours after midnight, Minutes, Seconds, and Time sync complete, in that order.

TABLE F3: PID NO. FOR MILES CODE 35 FOR AMMO TYPES B AND F

PID	YZ.SPID	Functions	MILES XXI	IWS	ITS	TWGSS /PGS	MILES 2000
001	**40.0001**	**Enable Controller mode. (Puts Device into controller mode).**				**X**	
001 to 079	**40.001 to 40.079**	**Room High Digits The 2 most significant digits of a room number Room Number = (Room High Digits*100)+Room Low Digits. (this range of PIDs follows 30.310-30.330)**		**X**			**3**
331-430	**50.001 to 50.100**	**Year (Additional field passed along with Time Sync message).**		**X**			